

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: *VEGA, et al.*

Serial No.: 10/022,249

Filed: December 17, 2001

For: *HIGH THROUGHPUT DIRECTED
EVOLUTION BY RATIONAL
MUTAGENESIS*

Art Unit: 1643

Examiner: Unassigned



I hereby certify that this paper and the attached papers are being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Commissioner for Patents
Washington, D.C. 20231, on this date.

03/01/2002

Date

Lynn Morkunas
Lynn Morkunas

TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is a Preliminary Amendment for filing in connection with the above-identified application.

[X] The Commissioner is hereby authorized to charge any fees that may be due under 37 C.F.R. §§1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,
HELLER, EHRMAN WHITE & McAULIFFE LLP

By:

Stephanie L. Seidman
Stephanie L. Seidman
Registration No. 33,779

Attorney Docket No. 37851-0911

Address all correspondence to:

Stephanie L. Seidman, Esq.

HELLER, EHRMAN, WHITE & McAULIFFE LLP

4350 La Jolla Village Drive, 7th Floor

La Jolla, California 92122-1246

Telephone: (858) 450-8400

Facsimile: (858) 587-5360

EMAIL: sseidman@hewm.com



45

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: *VEGA et al.*

Serial No.: 10/022,249

Filed: December 17, 2001

For: *HIGH THROUGHPUT DIRECTED
EVOLUTION BY RATIONAL
MUTAGENESIS*

Art Unit: 1643

Examiner: Unassigned

I hereby certify that this paper and the attached papers are
being deposited with the United States Postal Service as
first class mail in an envelope addressed to the
Commissioner for Patents, Washington, D.C. 20231, on
this date.

03/01/2002
Date

Lynn Morkunas
Lynn Morkunas

RECEIVED
MAR 12 2002
TECH CENTER 1600 2900

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Preliminary to examination of the above-captioned patent application entry
of the following amendment is respectfully requested.

IN THE SPECIFICATION:

Please amend the specification as follows (a marked up copy of the
amended specification is attached to this Amendment):

Please replace the paragraph on page 4, lines 6-17, with the following:

The processes require accurate titring of the viruses in a collection or
among collections (libraries) so that the activities of the screened mutant
proteins can be compared. Provided are general methods for the quantitative
assessment of the parameters of activity corresponding to the individual variants
in the library, based upon intracellular serial dilution generated by precise titring
with the gene transfer viral vectors. Any method that permits accurate titring
may be used, including that described in International PCT application No.
PCT/FR01/01366, based on French application n° 0005852, filed 9 May 2000,
and published as International PCT application No. WO 01/186291. A method